

## Attachment 6 – Monitoring, Assessment, and Performance Measures

The existing California Avenue Storm Drain Basin (Basin) was constructed with insufficient capacity to handle the urban stormwater runoff from the area tributary to the basin. During periods with back-to-back storm events, the basin is unable to store all of the runoff. Therefore, stormwater floods into San Joaquin (City) streets from storm drain inlets and manholes as the basin reaches capacity.

In order to protect the City from flooding, a new lift station is required at the Basin to provide capacity relief between storm events by pumping stormwater from the Basin into the adjacent JID Canal. Monitoring of the performance of this lift station will be done through visual inspection of streets that are typically subject to flooding due to the lack of capacity of the Basin and by monitoring the water level in the basin during pumping operations.

Water level readings will be recorded for the basin prior to pumping operations and then on a 24-hour basis until the basin is dewatered to the design low-water level. The level readings will be used to assess the performance of the pump station.

**PROJECT PERFORMANCE MEASURES TABLE**

Project Goal	Desired Outcome	Output Indicator	Outcome Indicator	Measurement Tools and Methods	Targets
Flood Protection	Prevention of stormwater from flooding streets and properties	1. Visual inspection of streets subject to flooding due to capacity issues	1. Lack of flooding of streets and properties	1. Visual inspection	Maintain water level in basin below established design high-water level and thus prevent flooding of streets and properties
		2. Water level of California Avenue Storm Drain Basin	2. Water level maintained below design high-water level of basin	2. Water level readings	